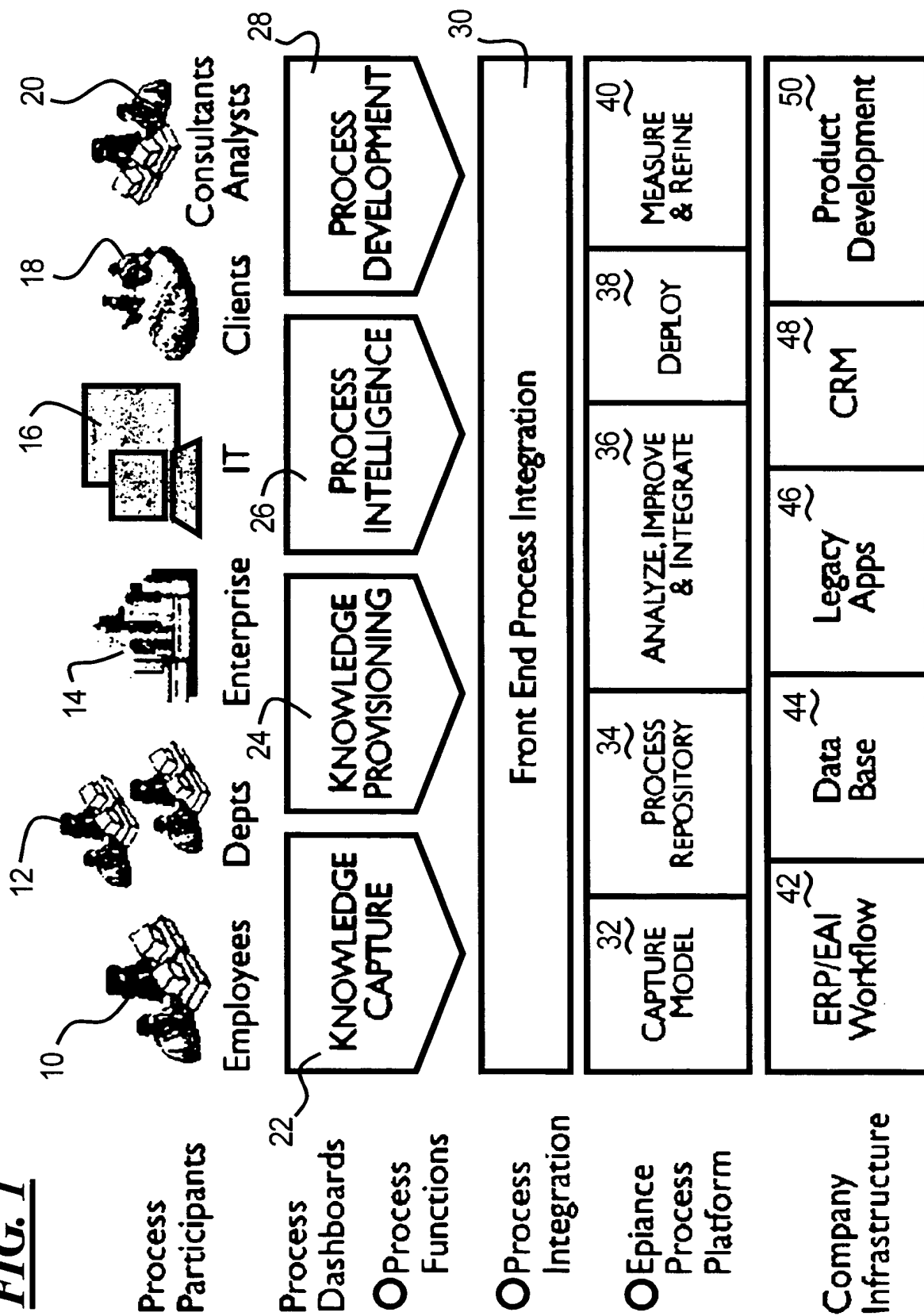
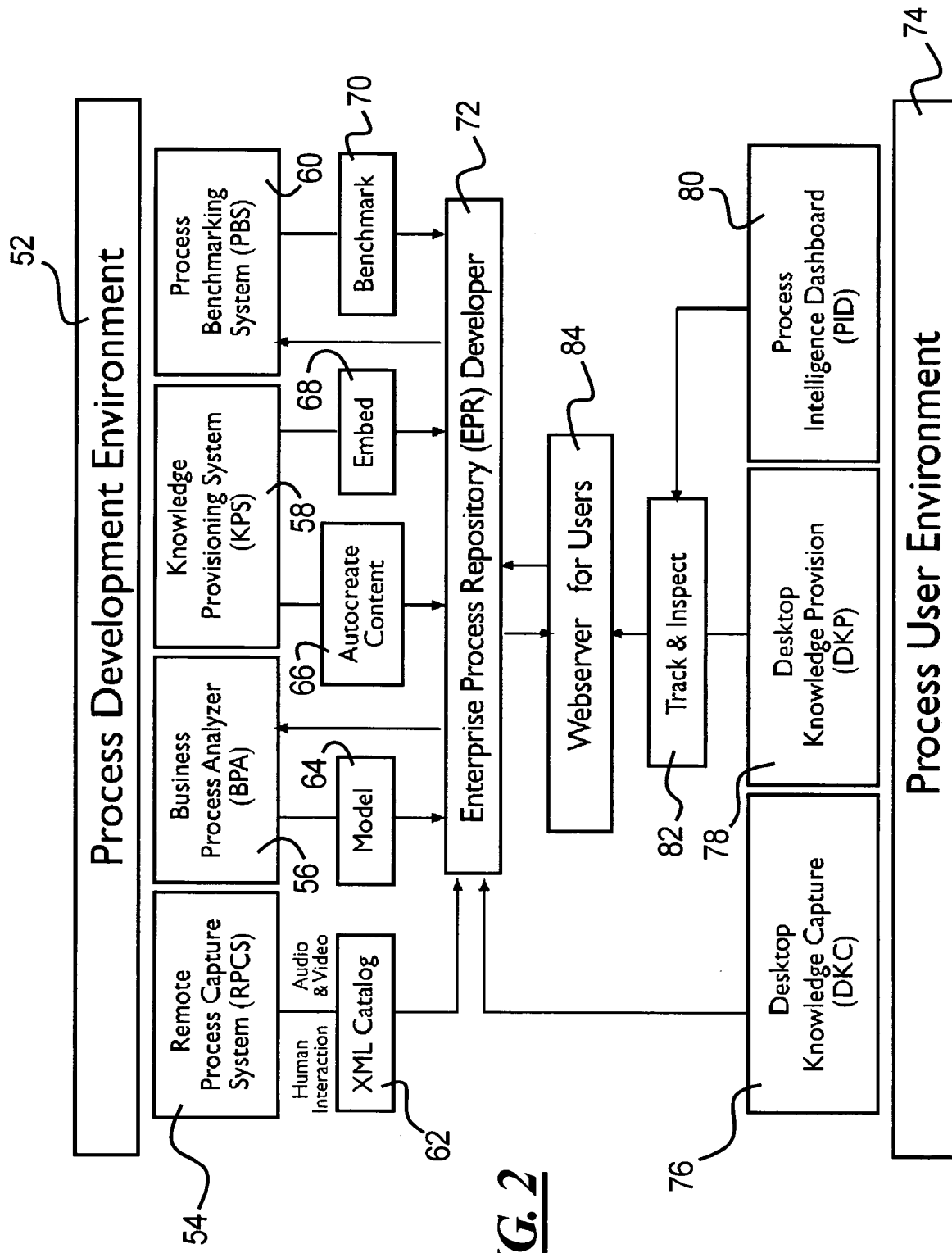
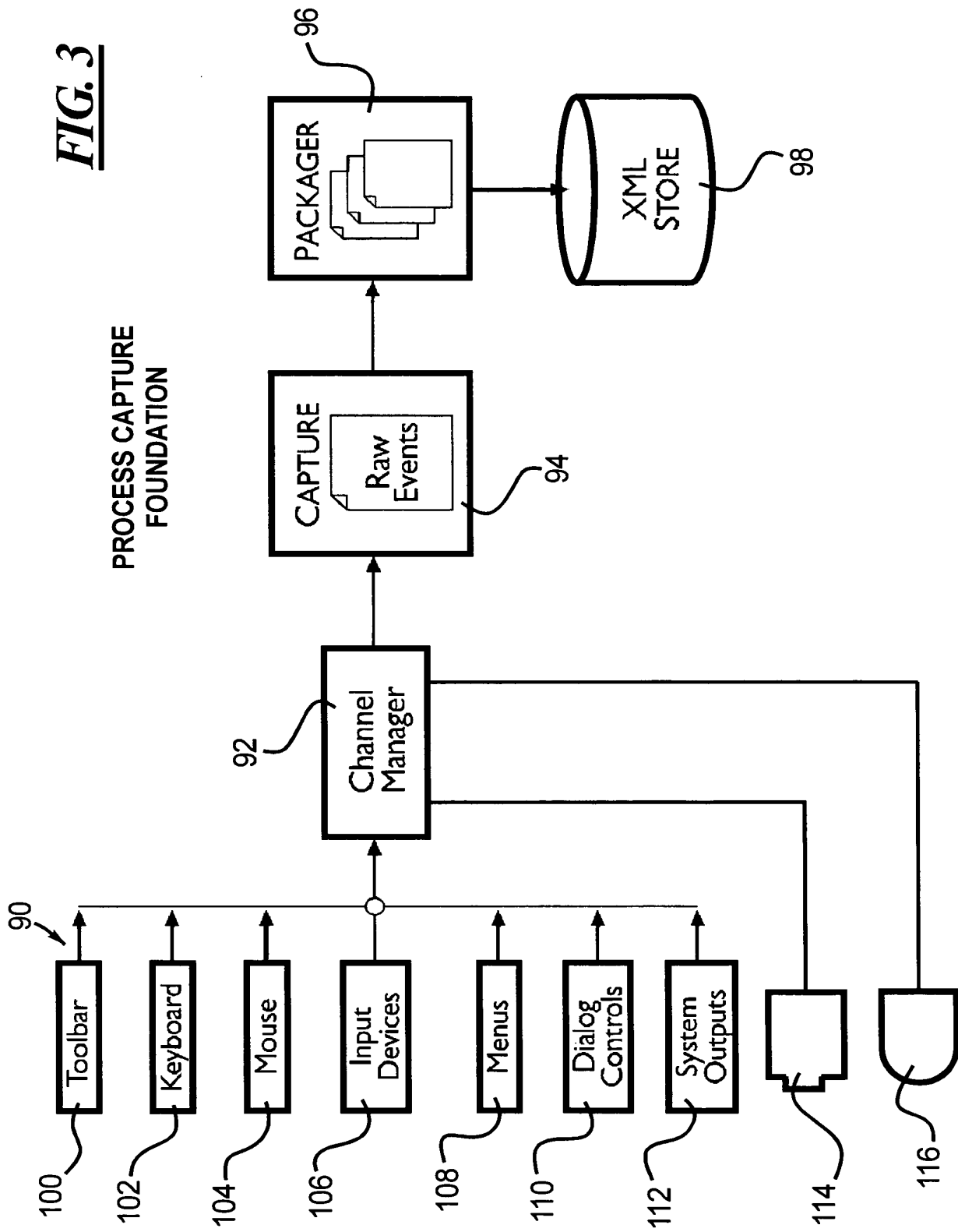


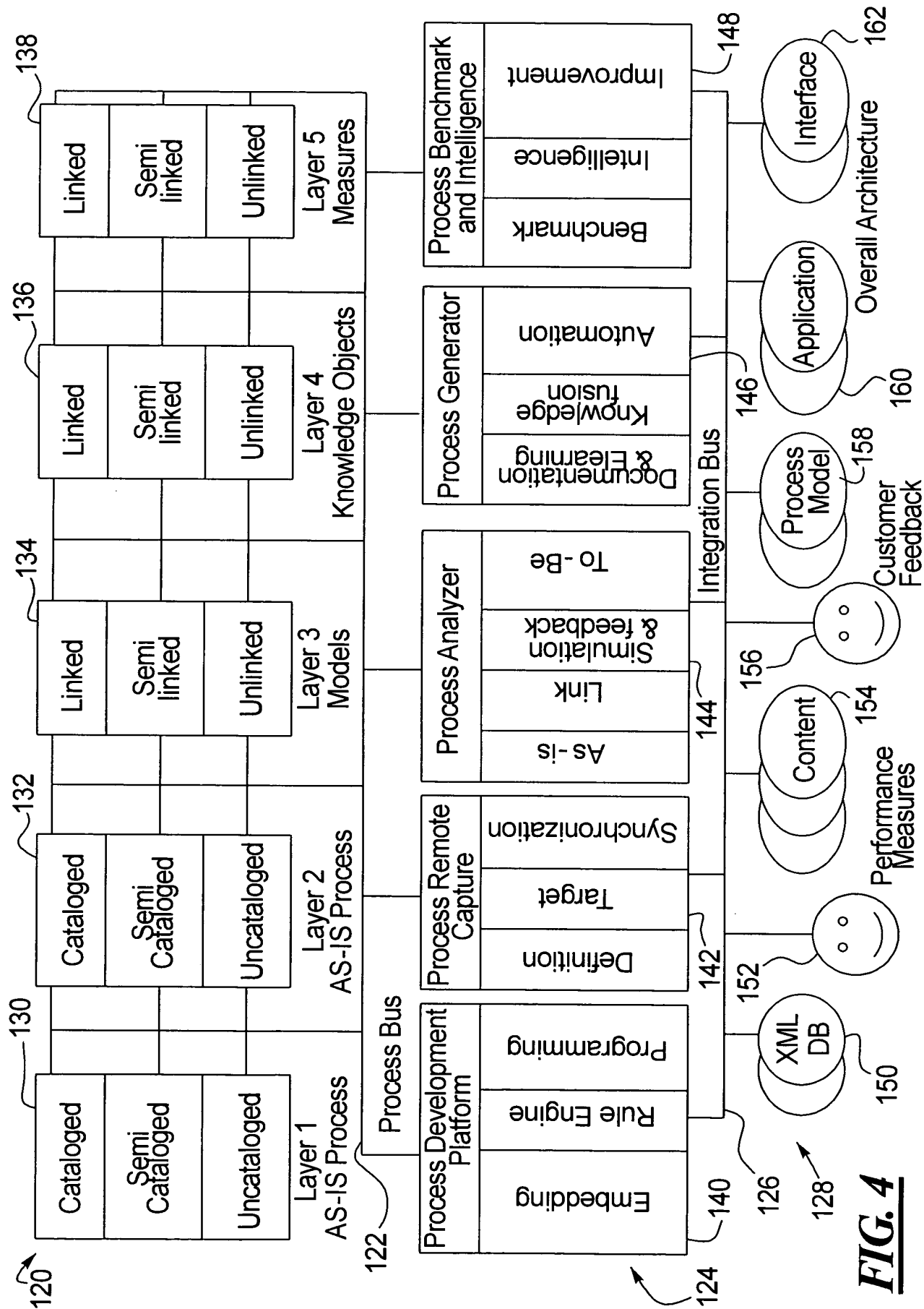
**FIG. 1**



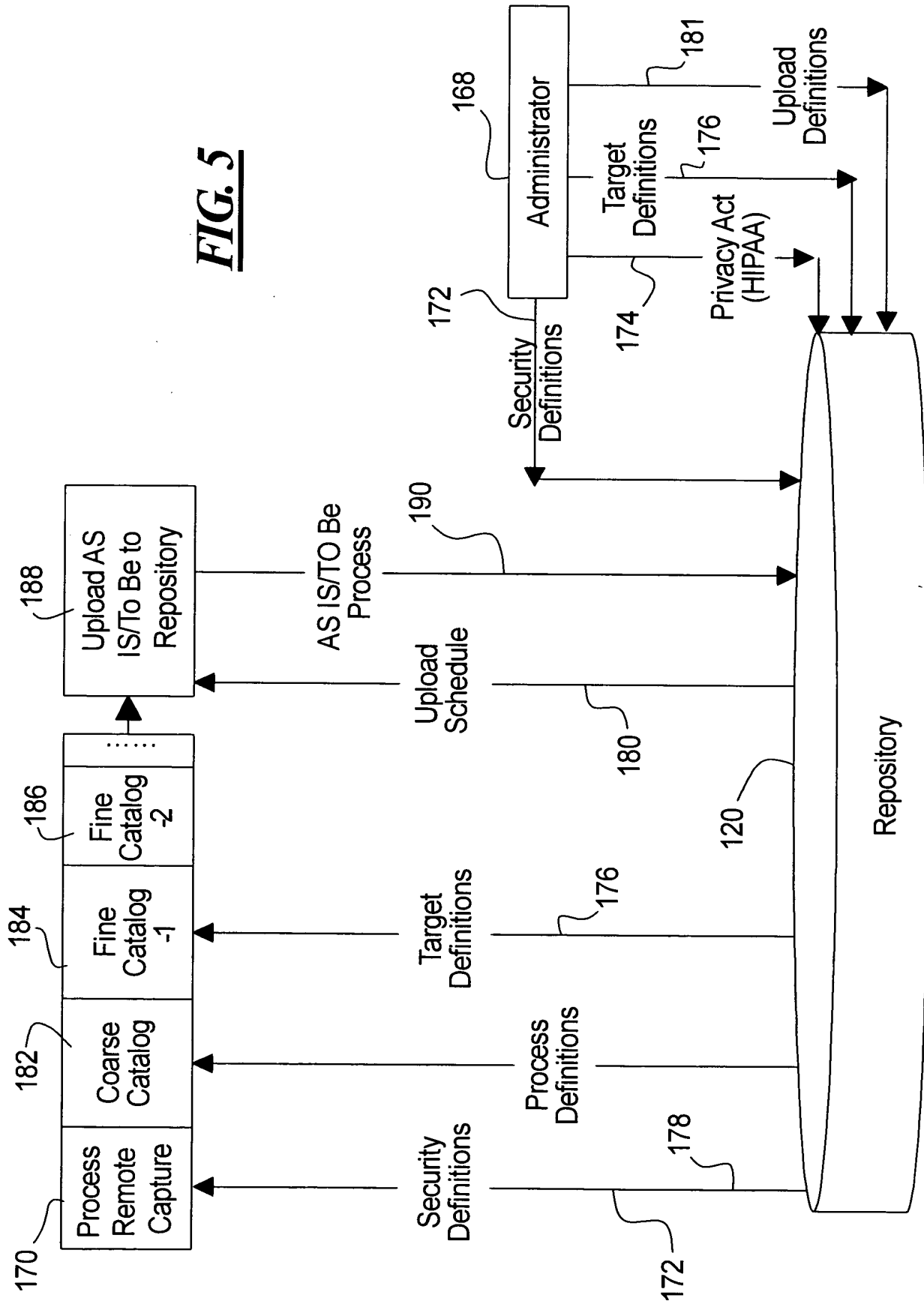


**FIG. 2**

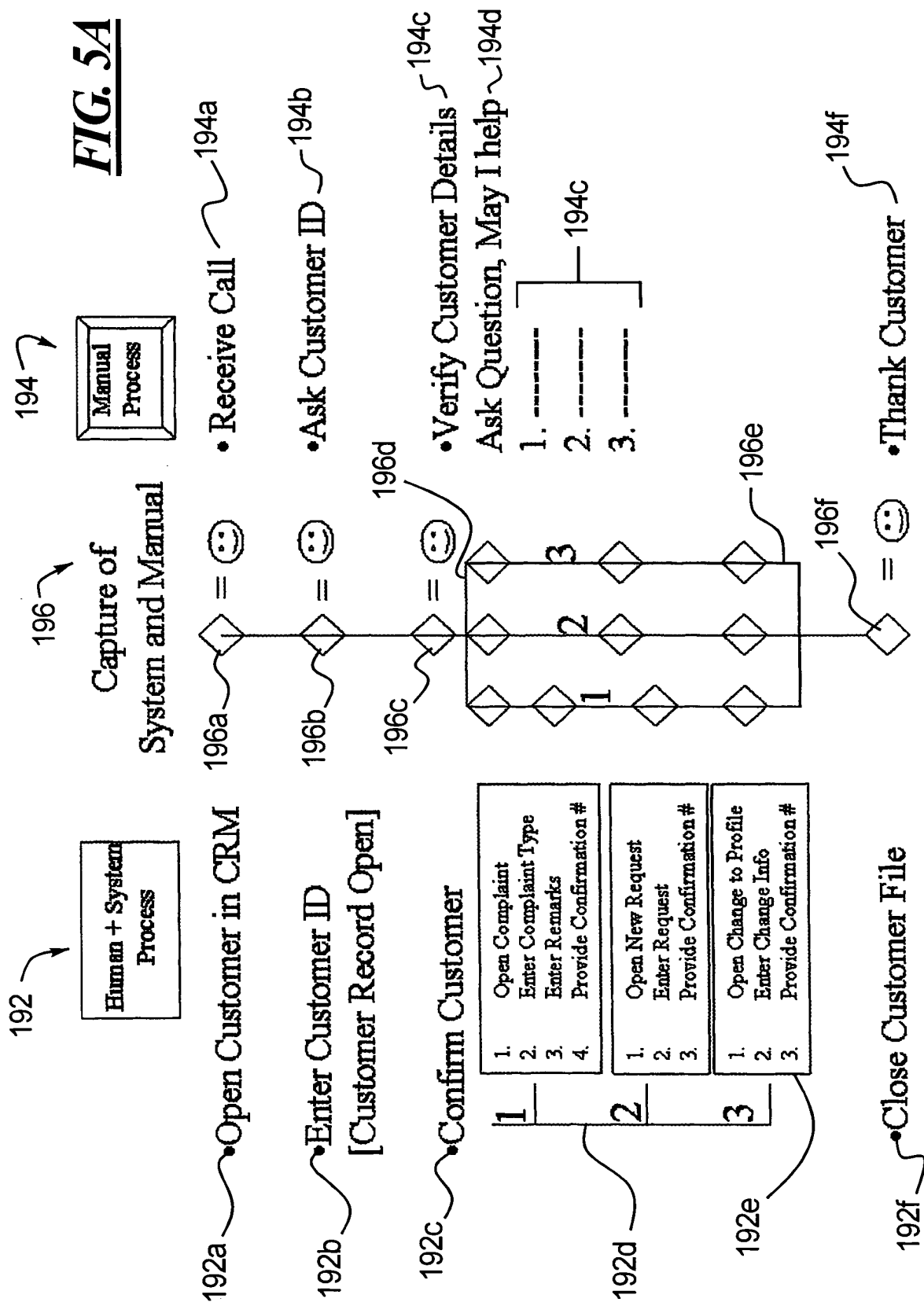


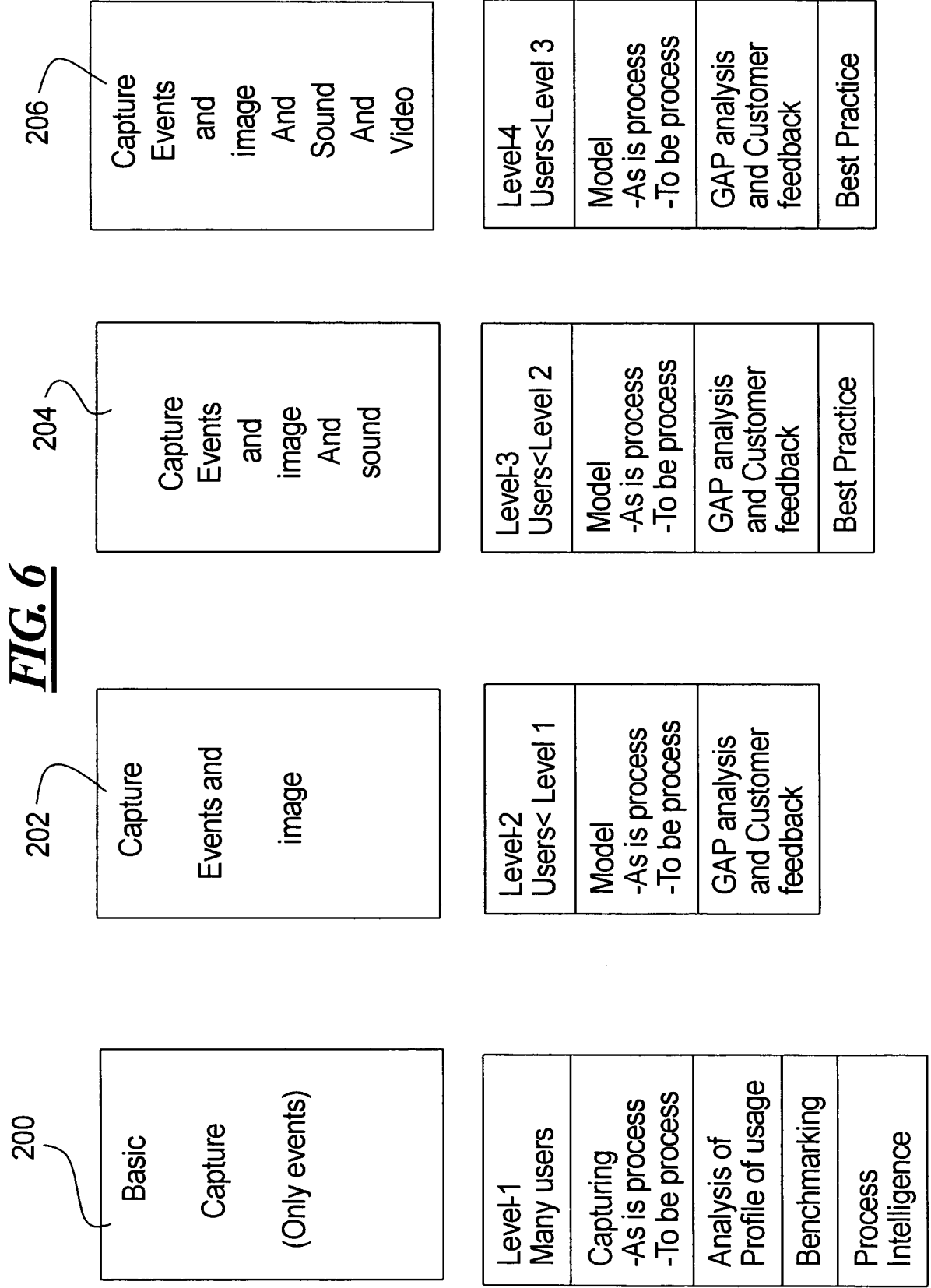


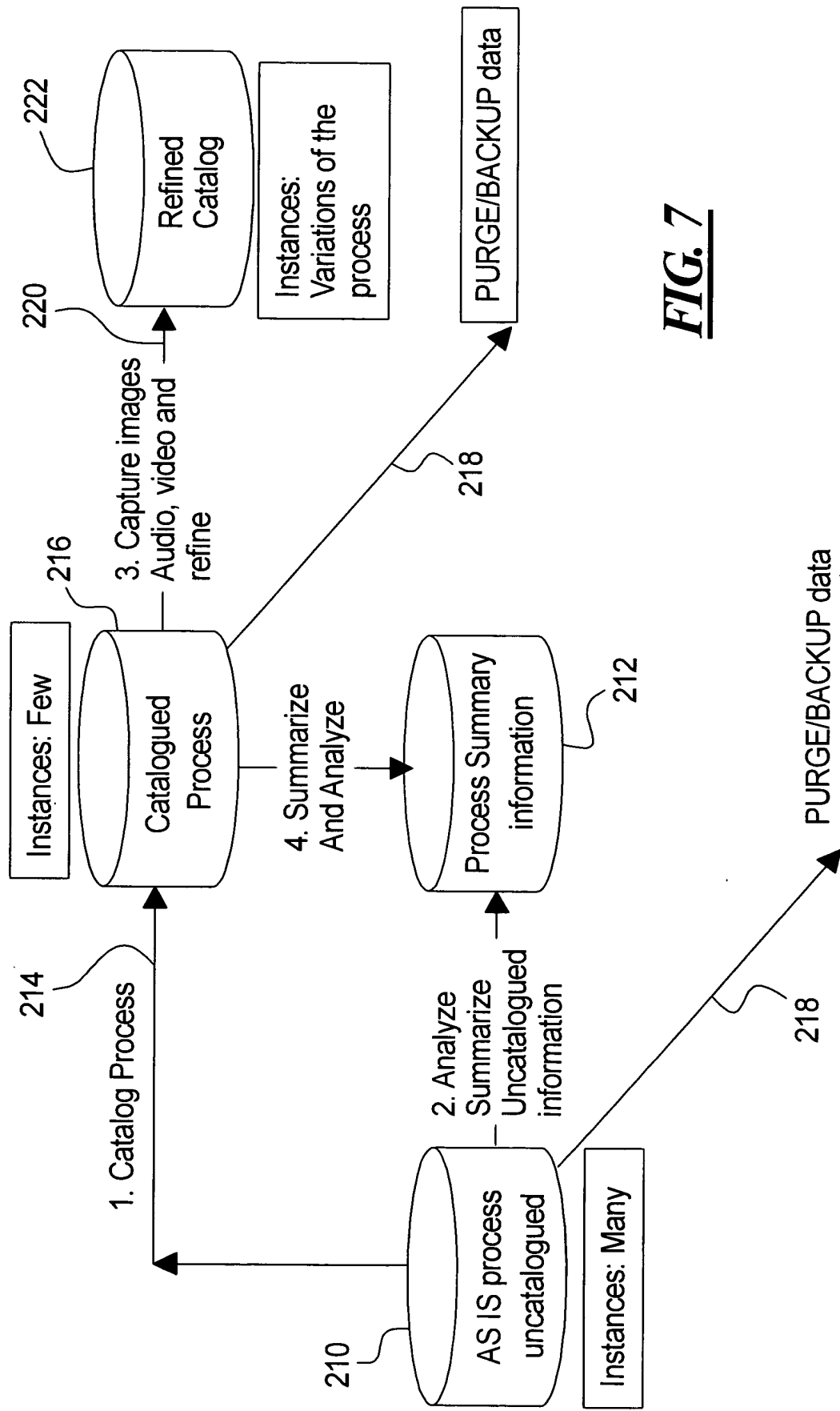
**FIG. 4**



**FIG. 5**



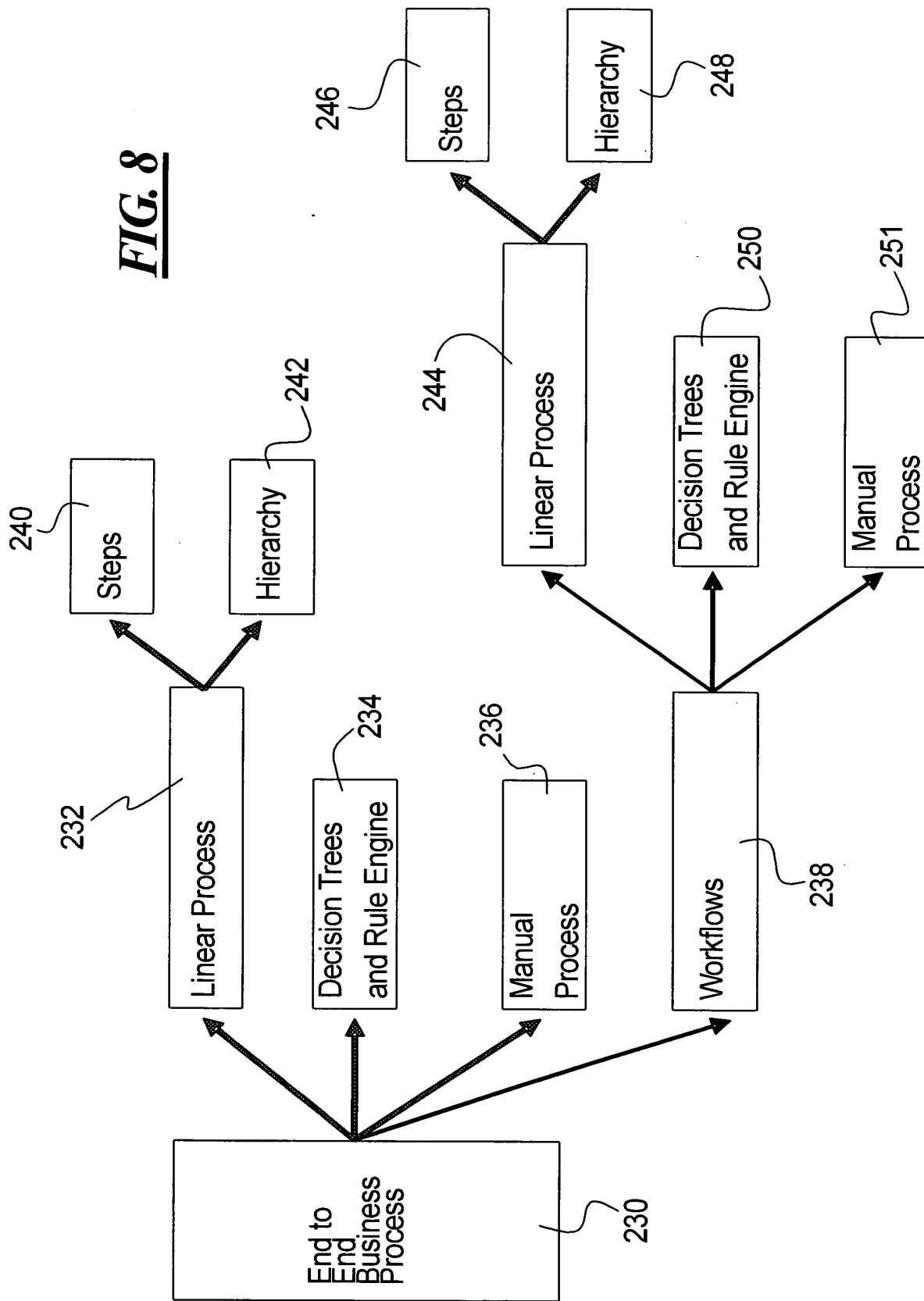


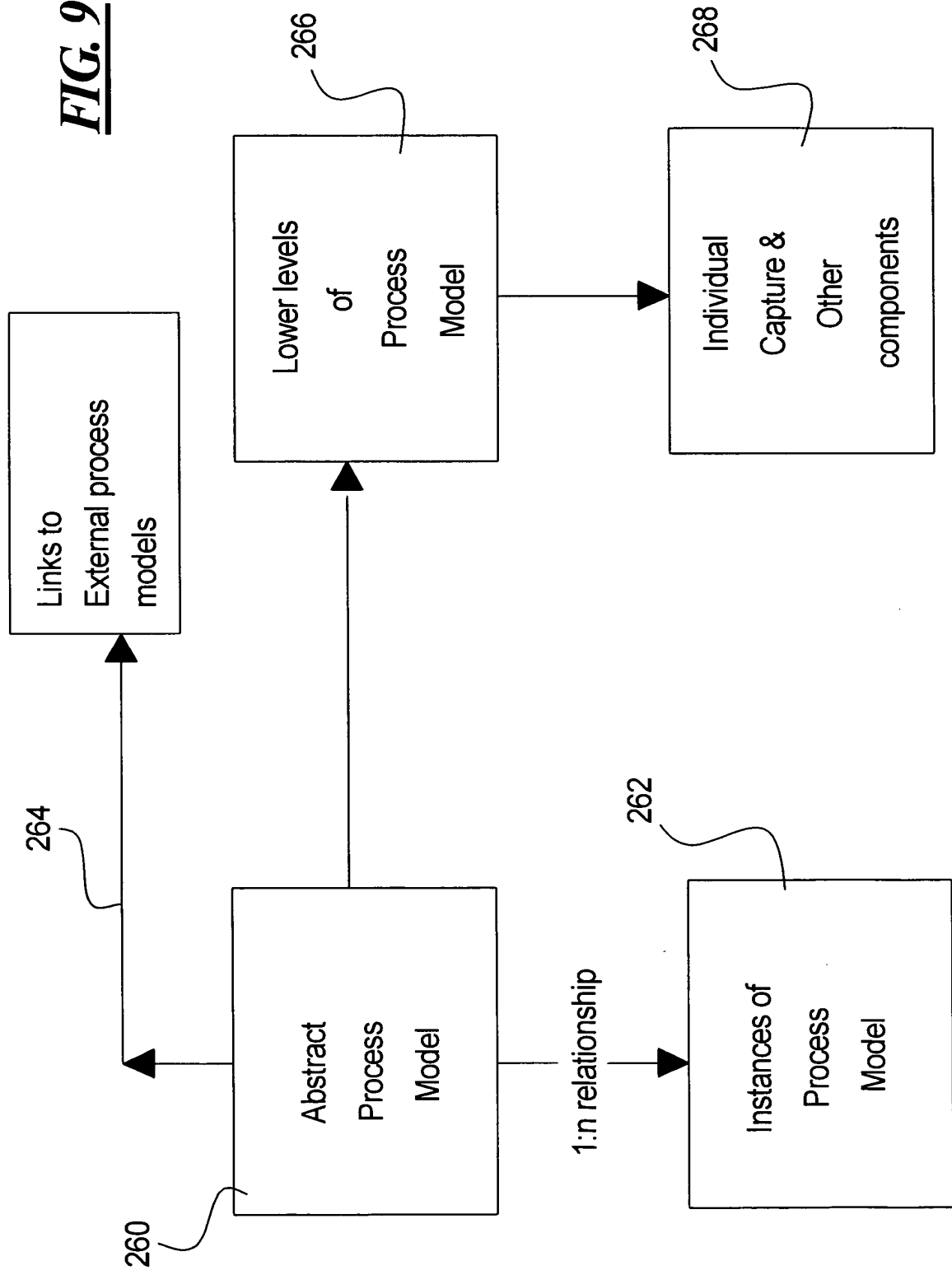


**FIG. 7**

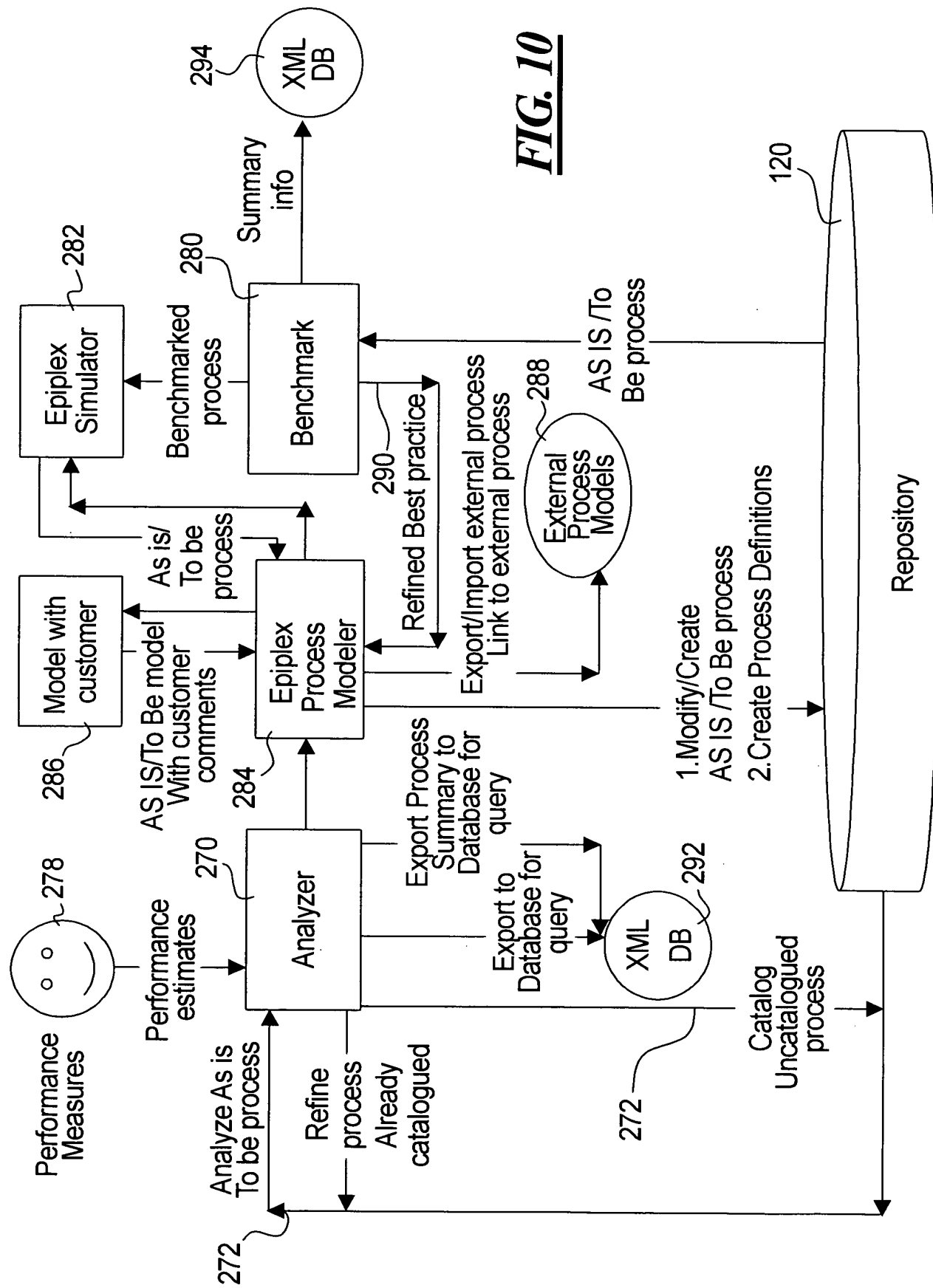


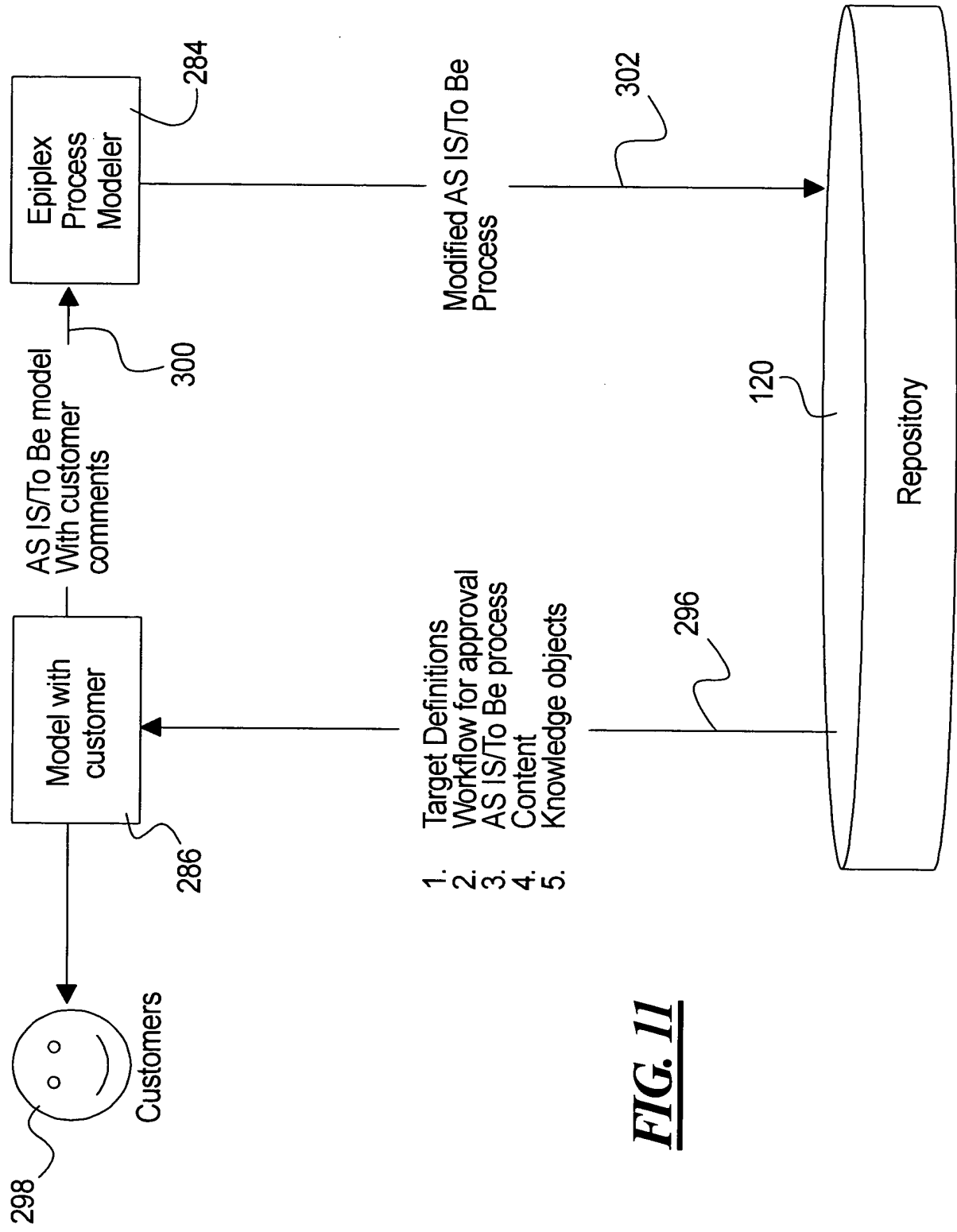
**FIG. 8**





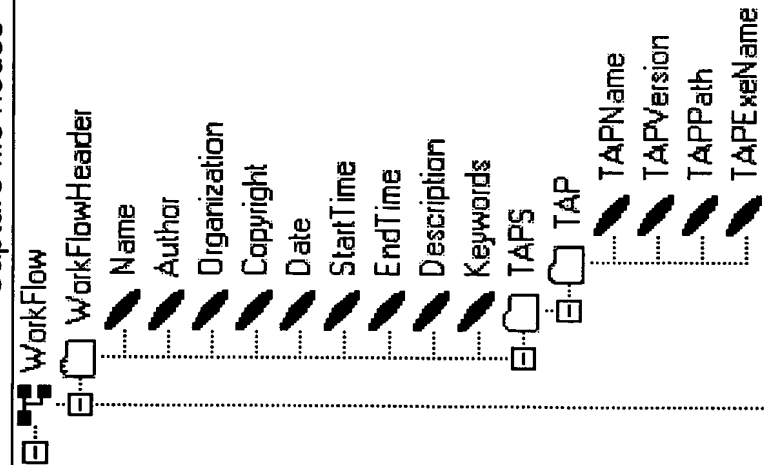
**FIG. 9**





**FIG. 11**

# **FIG. 12**

Workflow Header		Capture file nodes	
Workflow Header		Capture file nodes	
 <pre> graph TD     WFH[WorkflowHeader] --- Name     WFH --- Author     WFH --- Organization     WFH --- Copyright     WFH --- Date     WFH --- StartTime     WFH --- EndTime     WFH --- Description     WFH --- Keywords     WFH --- TAPS     TAPS --- TAP     TAP --- TAPName     TAP --- TAPVersion     TAP --- TAPPath     TAP --- TAPexeName         </pre>		<p>The root node of the capture file</p> <p>The header node that stores the generic information</p> <p>Name automatically captured from the computer</p> <p>Author name entered in the capture properties</p> <p>Organization name entered in capture properties</p> <p>Copyright name entered in capture properties</p> <p>Start date of the capture</p> <p>Start date and time of the capture</p> <p>End date and time of the capture</p> <p>Description of the capture entered in capture properties</p> <p>Key words entered in capture properties</p> <p>Collection of applications encountered in this capture</p> <p>Information on one of the applications in this capture</p> <p>Application name</p> <p>Application version</p> <p>Location in the system in which capture was done</p> <p>Application executable name.</p>	

# **FIG. 13**

## Basic Step

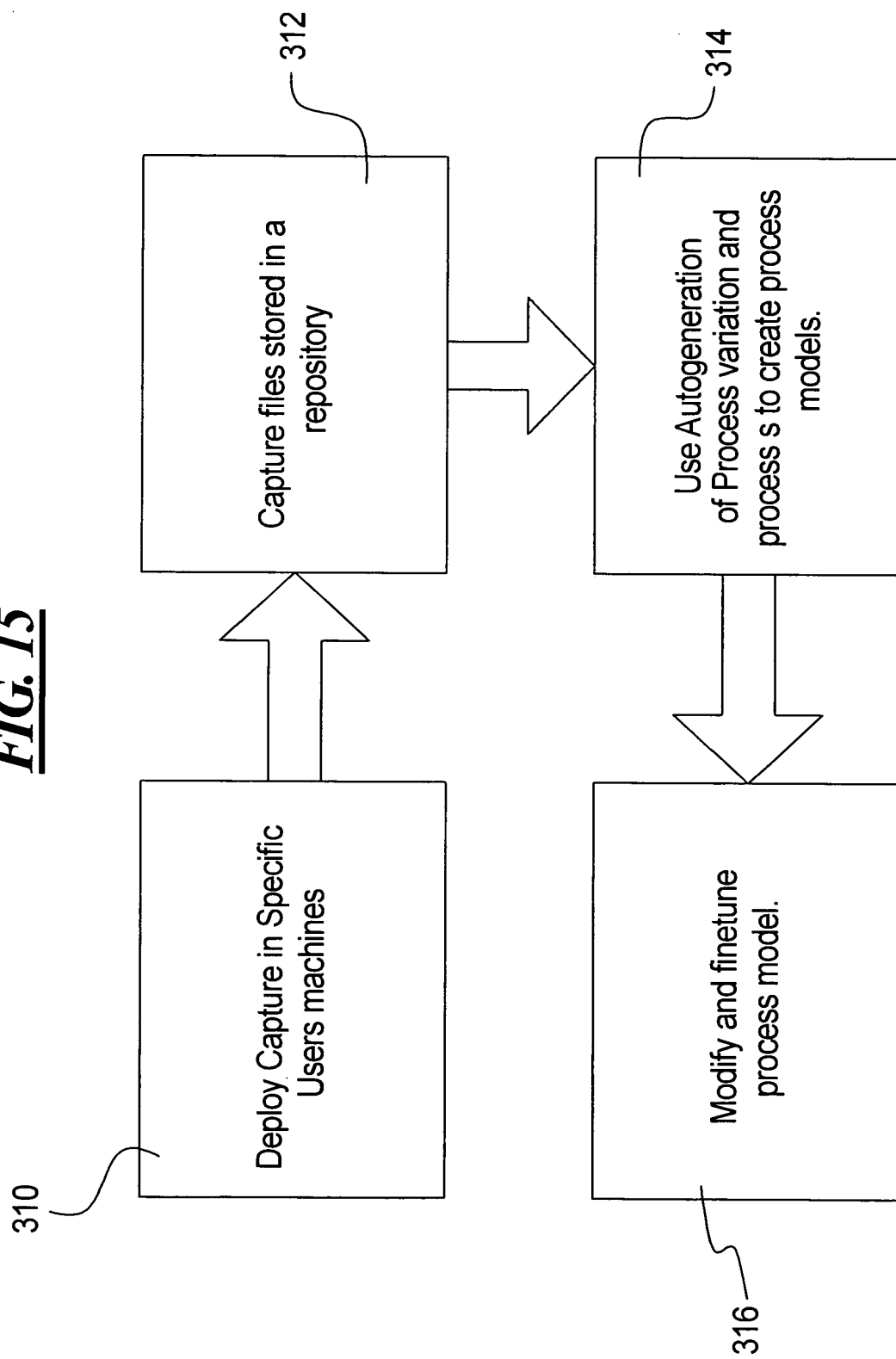
Capture file nodes	Description
<pre> graph TD     BasicStep[BasicStep] --&gt; Id[Id]     BasicStep --&gt; BasicStepTime[BasicStepTime]     BasicStep --&gt; ActiveChannelId[ActiveChannelId]     BasicStep --&gt; TAP[TAP]     TAP --&gt; TAPName[TAPName]     TAP --&gt; TAPVersion[TAPVersion]     TAP --&gt; TAPPath[TAPPath]     TAP --&gt; TAPFileName[TAPFileName]     BasicStep --&gt; StandardControl[StandardControl]     StandardControl --&gt; Region[Region]     Region --&gt; Left[Left]     Region --&gt; Top[Top]     Region --&gt; Right[Right]     Region --&gt; Bottom[Bottom]     StandardControl --&gt; StdControlName[StdControlName]     StandardControl --&gt; StdDialogName[StdDialogName]     StandardControl --&gt; StdHighLevelEvent[StdHighLevelEvent]     StandardControl --&gt; StdControlCaption[StdControlCaption]     StandardControl --&gt; StandardControlIddata[StandardControlIddata]     StandardControl --&gt; Point[Point]     Point --&gt; X[X]     Point --&gt; Y[Y]           </pre>	<p>The root node each event</p> <p>Serial number of the event</p> <p>Date and time at which this event was performed</p> <p>The channel used by capture</p> <p>Information on the application on which this event was performed</p> <p>Application name</p> <p>Application version</p> <p>Location in the system in which capture was done</p> <p>Application executable name.</p> <p>Details captured by Standard channel</p> <p>Region of the control on which the event was performed</p> <p>The screen coordinate (in pixels) of the left of the control</p> <p>The screen coordinate (in pixels) of the top of the control</p> <p>The screen coordinate (in pixels) of the right of the control</p> <p>The screen coordinate (in pixels) of the bottom of the control</p> <p>Name of the control on which the event was performed</p> <p>The dialog name on which the event was performed</p> <p>The description of the event that was performed</p> <p>The caption of the control on which the event was performed</p> <p>The data specific to the event that was performed</p> <p>Point at which the click event was performed</p> <p>Horizontal coordinate (in pixels) of the click point</p> <p>Vertical coordinate (in pixels) of the click point</p>

# FIG. 14

## Basic Step (contd.)

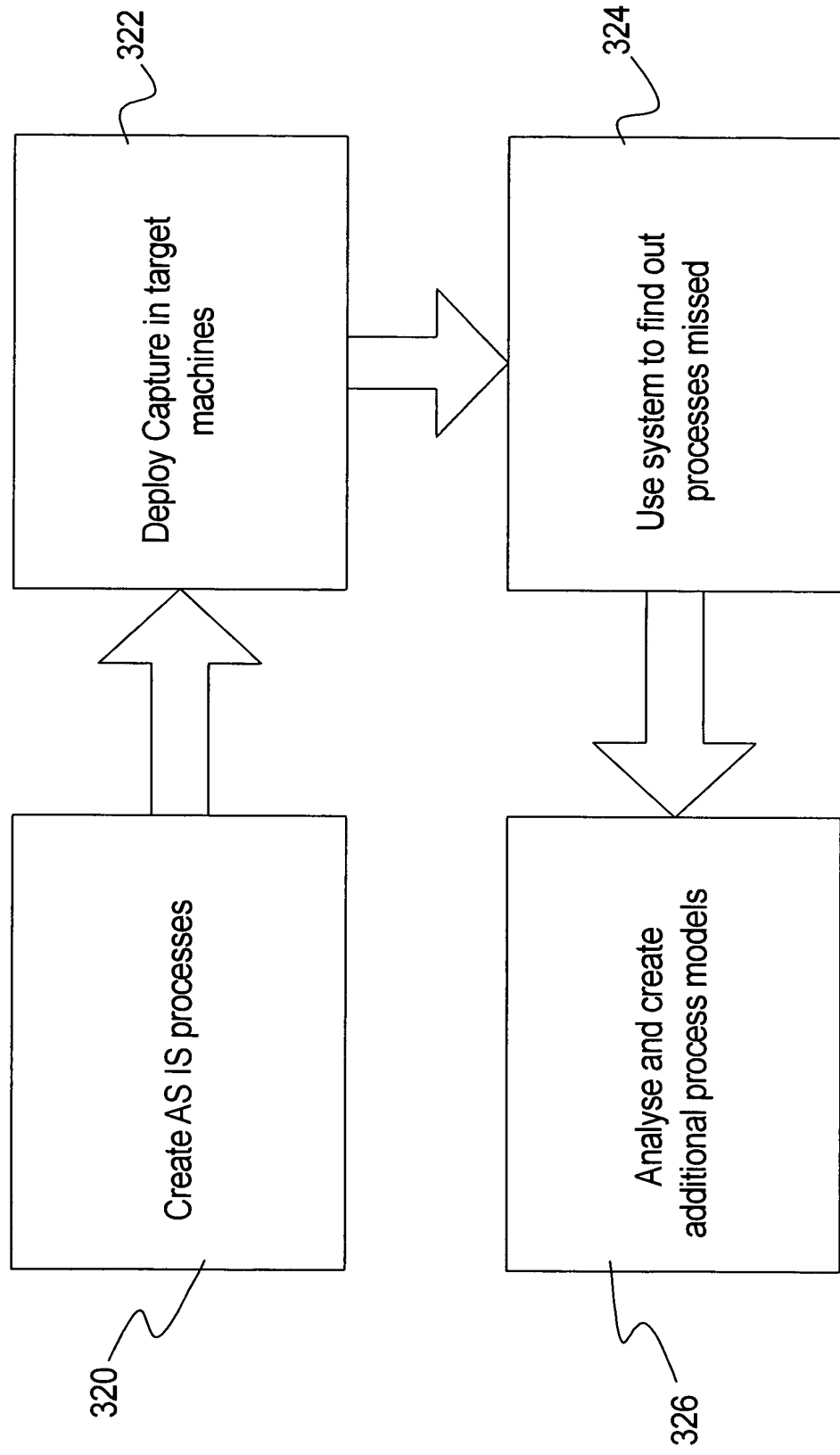
Capture file nodes	Description
<ul style="list-style-type: none"> <li>MSAAControl <ul style="list-style-type: none"> <li>MSAADialogName</li> <li>MSAAName</li> <li>MSAAEvent</li> <li>MSAAKeyboardShortcut</li> <li>MSAARole</li> <li>MSAAState</li> <li>MSAAValue</li> <li>MSAADescription</li> <li>MSAALocation <ul style="list-style-type: none"> <li>Region <ul style="list-style-type: none"> <li>Left</li> <li>Top</li> <li>Right</li> <li>Bottom</li> </ul> </li> </ul> </li> <li>MSAAMouseButton</li> <li>SpKeyStatus</li> <li>MSAAParentControl <ul style="list-style-type: none"> <li>MSAAParentName</li> <li>MSAAKeyboardShortcut</li> <li>MSAAParentRole</li> <li>MSAAParentState</li> <li>MSAAParentValue</li> <li>MSAAParentDescription</li> <li>MSAAParentLocation <ul style="list-style-type: none"> <li>Region <ul style="list-style-type: none"> <li>Left</li> <li>Top</li> <li>Right</li> <li>Bottom</li> </ul> </li> </ul> </li> </ul> </li> <li>MSAAControldata <ul style="list-style-type: none"> <li>Point <ul style="list-style-type: none"> <li>X</li> <li>Y</li> </ul> </li> </ul> </li> </ul> </li> <li>FullImageStore <ul style="list-style-type: none"> <li>ImageData <ul style="list-style-type: none"> <li>FileType</li> <li>FileName</li> <li>FilePath</li> </ul> </li> </ul> </li> </ul>	<p>Details captured by MSAA, Java and IE channel</p> <p>The dialog name on which the event was performed</p> <p>Name of the control on which the event was performed</p> <p>The description of the event that was performed</p> <p>The keyboard shortcut for the event (if available)</p> <p>The type of control on which the event was performed</p> <p>The state of the control on which the event was performed</p> <p>The value of the control on which the event was performed</p> <p>The description of the control on which the event was performed</p> <p>Details of the location of the control</p> <p>Region of the control on which the event was performed</p> <p>The screen coordinate (in pixels) of the left of the control</p> <p>The screen coordinate (in pixels) of the top of the control</p> <p>The screen coordinate (in pixels) of the right of the control</p> <p>The screen coordinate (in pixels) of the bottom of the control</p> <p>The mouse button that was used to perform the event</p> <p>The state of the Ctrl, Alt, Shift keys when the event was performed</p> <p>Control that contains the control on which the event was performed</p> <p>Name of the parent control</p> <p>The keyboard shortcut for the parent control (if available)</p> <p>The type of control</p> <p>State of the parent control</p> <p>The value of the parent control</p> <p>The description of the parent control</p> <p>Details of the location of the parent control</p> <p>Region of the parent control</p> <p>The screen coordinate (in pixels) of the left of the parent control</p> <p>The screen coordinate (in pixels) of the top of the parent control</p> <p>The screen coordinate (in pixels) of the right of the parent control</p> <p>The screen coordinate (in pixels) of the bottom of the parent control</p> <p>The data specific to the event that was performed</p> <p>Point at which the click event was performed</p> <p>Horizontal coordinate (in pixels) of the click point</p> <p>Vertical coordinate (in pixels) of the click point</p> <p>Details of the image captured.</p>

**FIG. 15**





**FIG. 16**



**FIG. 17**

